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In nickel-molybdenum alloys containing 8.17 wt.-% Mo
the initial stage of softening is determined by the re-
covery process, the temperature range of which de-
creases continuously and regularly with increasing de-
grees of preliminary plastic deformation; softening,
accompanied by recrystallization treatment, takes place
within a temperature margin of 100°C and is accom-
panied by selective recrystallization within a tempera-
ture margin of 25 to 50°C. With increasing Mo content
the structure of the alloy becomes continuously finer for
an equal degree of plastic deformation; a continuous in-
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